

ABSTRACT OF THE DISCLOSURE

An electro-luminescent device of a mobile phone is disclosed. The electro-luminescent device of a mobile phone having a battery compartment comprises a luminescent disc disposed on the battery compartment of the mobile phone; a signal-receiving unit for receiving high frequency signals of the mobile phone; an automatic control unit connected to the signal-receiving unit for filtering, rectification of the corresponding high frequency signals and for the production of flickering signal and for calculation; a display-switching driving unit connected to the automatic control unit and the luminescent disc to drive the luminescent disc; and a reverse-charge voltage-elevating unit connected to the automatic control unit and the luminescent disc to provide the high voltage required by the luminescent disc. The driving of the voltage-elevating unit and the display-switching driving unit causes the luminescent disc to produce various animations and patterns when the mobile phone receives incoming signals.